



SPARCO PAINTS (S) PTE LTD

PRODUCT DATA SHEET

Automotive Refinish

Polyurethane Acrylic Clear Lacquer 741-300

Two-Component Fast-Drying Polyurethane Acrylic Clear Lacquer

A fast-drying, high-gloss two-component polyurethane acrylic clearcoat for automobiles and commercial vehicles, offering good chemical and weather resistance.

Polyurethane Acrylic Clear Lacquer 741-300 is a quick-curing two-component topcoat based on a special acrylic resin cured with a polyisocyanate hardener. Sprayed over compatible basecoats, it dries fast to a glossy, durable clear film for automotive and commercial vehicle refinishing.

Fast Drying:

Cures quickly to speed up refinishing turnaround.

Gloss Finish:

Dries to a high-gloss clear film for an attractive topcoat appearance.

Chemical Resistance:

Offers good resistance to solvents and chemicals.

Weather Resistance:

Good weather resistance for exterior automotive exposure.

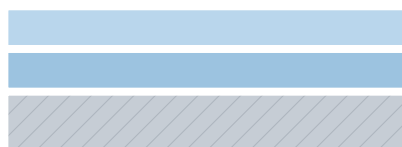
Adhesion:

Good adhesion over recommended polyurethane basecoats.

FIELDS OF APPLICATION

- ▶ Automotive refinishing
- ▶ Commercial vehicles
- ▶ Spot & panel repairs
- ▶ Full resprays

System Design



Clearcoat 2K 741-300 Clear × 2

Basecoat

Panel / Substrate

Technical Profile*

TYPE

Acrylic / polyisocyanate

Two-component PU

COLOUR

Clear

FINISH

Gloss

SPECIFIC GRAVITY

0.98

FLASH POINT

23°C

MIXING RATIO

Base : Hardener, by volume

4 : 1

THINNING RATIO

by volume

20 – 25%

INDUCTION PERIOD

@ 30°C, intermittent stirring

15 minutes

POT LIFE

@ 30°C

2 hours

DRY FILM THICKNESS

per coat

25 microns

SPREADING RATE

per coat

6 – 8 m²/litre

OVERCOATING INTERVAL

minimum, @ 30°C

4 hours

* Typical properties of unmixed material. Values may vary with conditions, substrate and application method.

Clear gloss finish

Final appearance depends on the underlying basecoat and application technique. Contact Sparco Paints for compatibility guidance.



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POLYURETHANE ACRYLIC CLEAR LACQUER 741-300

Two-Component Fast-Drying Polyurethane Acrylic Clear Lacquer

Model Specification

System	Polyurethane Acrylic Clear Lacquer 741-300
Type	Two-component polyurethane acrylic clear
Build-up	Basecoat + clear lacquer 741-300
Manufacturer	Sparco Paints (S) Pte Ltd

Preparatory work and application in accordance with manufacturer's instructions.

Surface Preparation

Apply over a clean, dry and fully prepared basecoat. The recommended undercoat is Sparco Polyurethane Basecoat Metallic or Sparco Polyurethane Paint S41. Ensure the basecoat is free of dust, grease and contamination before clearcoating.

Packaging

Product	Pack Size
741-300 (Base + Hardener)	1.25 litre set
Sparco 2K Thinner or Sparco PU Thinner	As required

Warranty

LIMITED WARRANTY: Sparco Paints (S) Pte Ltd warrants that, at the time and place of shipment, our materials will be of good quality and will conform to our published specifications in force on the date of acceptance of the order.

DISCLAIMER: The information contained herein is included for illustrative purposes only and, to the best of our knowledge, is accurate and reliable. As Sparco Paints (S) Pte Ltd has no control over the use to which others may put its products, it is recommended that products be tested to determine suitability for specific applications. Responsibility remains with the architect or engineer, contractor and owner for the design, application and proper installation of each product. Specifier and user shall determine the suitability of the product for its specific application and assume all responsibility in connection therewith.

Application Guidelines

Parameter	Value
Mixing ratio (by volume)	Base : Hardener = 4 : 1
Thinning ratio (by volume)	20 – 25%
Induction period @ 30°C	15 minutes
Pot life @ 30°C	2 hours
Touch dry @ 30°C	5 – 10 minutes
Hard dry @ 30°C	3 – 4 hours

IMPORTANT

Observe the 15-minute induction period with intermittent stirring before spraying. Mixed material must be used within the 2-hour pot life at 30°C. Do not thin beyond the recommended 20 – 25% by volume.

Product Preparation

Mix Base and Hardener at 4 : 1 by volume, then allow a 15-minute induction period with intermittent stirring at 30°C.

Thin 20 – 25% by volume with Sparco 2K Thinner or Sparco PU Thinner and apply by spray.

Cleaning

Clean spray equipment and tools immediately after use with Sparco 2K Thinner or Sparco PU Thinner.

Storage

Store in a cool, dry, well-ventilated area away from heat and direct sunlight, in tightly closed original containers.

Health & Safety

Polyurethane Acrylic Clear Lacquer 741-300 is physiologically harmless once cured. Standard safety precautions are advised when handling — refer to the Safety Data Sheet (SDS) for full details.

Technical Assistance

Please contact Sparco Paints (S) Pte Ltd for technical assistance, specification support and application advice.